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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/637,139	08/08/2003	Charles J. Longacre	S1097/20001	3431
3000	7590	05/09/2005	EXAMINER	
CAESAR, RIVISE, BERNSTEIN, COHEN & POKOTILOW, LTD. 11TH FLOOR, SEVEN PENN CENTER 1635 MARKET STREET PHILADELPHIA, PA 19103-2212			DUNWOODY, AARON M	
ART UNIT		PAPER NUMBER		3679
DATE MAILED: 05/09/2005				

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary	Application No.	Applicant(s)
	10/637,139	LONGACRE ET AL.
	Examiner	Art Unit
	Aaron M Dunwoody	3679

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

1) Responsive to communication(s) filed on 10 February 2005.

2a) This action is FINAL. 2b) This action is non-final.

3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

4) Claim(s) 1-14, 19 and 20 is/are pending in the application.
4a) Of the above claim(s) _____ is/are withdrawn from consideration.

5) Claim(s) _____ is/are allowed.

6) Claim(s) 1-14, 19 and 20 is/are rejected.

7) Claim(s) _____ is/are objected to.

8) Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

9) The specification is objected to by the Examiner.

10) The drawing(s) filed on _____ is/are: a) accepted or b) objected to by the Examiner.

Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).

Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).

11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
a) All b) Some * c) None of:
1. Certified copies of the priority documents have been received.
2. Certified copies of the priority documents have been received in Application No. _____.
3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

1) Notice of References Cited (PTO-892)
2) Notice of Draftsperson's Patent Drawing Review (PTO-948)
3) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date _____.

4) Interview Summary (PTO-413)
Paper No(s)/Mail Date. ____ .

5) Notice of Informal Patent Application (PTO-152)

6) Other: ____ .

DETAILED ACTION

Continued Examination Under 37 CFR 1.114

A request for continued examination under 37 CFR 1.114, including the fee set forth in 37 CFR 1.17(e), was filed in this application after final rejection. Since this application is eligible for continued examination under 37 CFR 1.114, and the fee set forth in 37 CFR 1.17(e) has been timely paid, the finality of the previous Office action has been withdrawn pursuant to 37 CFR 1.114. Applicant's submission filed on 2/10/2005 has been entered.

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claims 1-7 and 9-14 are rejected under 35 U.S.C. 102(b) as being anticipated by US patent 6173993, Shumard et al.

In regards to claim 1, Shumard et al disclose a joint restraint assembly (10) comprising:

a body (14) encircling the pipe, with the body having a plurality of cavities (34) adjacent the pipe and at least one set of a corresponding plurality of threaded bores (20) disposed through the body, each threaded bore of the at least one set of a corresponding plurality of threaded bores being in communication with a respective cavity;

a segment (40) disposed within each of the cavities in the body, the segment comprising a first portion (46) that contacts a surface (28) of the cavity and a second portion (52) that penetrates the outer surface of the pipe, the segment pivoting about the first portion to drive the second portion deeper into the outer surface of the pipe as provide the mechanical or internal pressure loading applied to the pipe increases.

In regards to claim 2, Shumard et al disclose a threaded bolt (32) extending through each of the threaded bores, the threaded bolt displaces the segment so that the second portion initially engages the outer surface of the pipe, and wherein the segment pivots about the first portion while losing contact with the threaded bolt.

In regards to claim 3, Shumard et al disclose the segment transmitting the load from the pipe to the body while loading the segment primarily in compression.

In regards to claim 4, Shumard et al disclose the second portion comprising at least one edge (52, 54) which penetrates the external surface of the pipe.

In regards to claim 5, Shumard et al disclose the at least one edge forming a relief angle, as measured from the outer surface of the pipe, that is 25 to 35 degrees (implied).

In regards to claim 6, Shumard et al disclose the circumferential length of all of the segments and their edges comprising a substantial portion of the pipe periphery.

In regards to claim 7, Shumard et al disclose the shape of the body being optimized to resist the forces imparted to by contact with the segments, the body comprising: a substantially cylindrical portion adjacent to the pipe surface with flange extending radially therefrom; and wherein the body comprising a shape and wall

thickness that compensates for the presence of the cavities for maintaining the strength and rigidity of the body.

In regards to claim 9, Shumard et al disclose a joint restraint assembly (10) comprising:

a body (14) encircling the pipe, with the body having a plurality of cavities (34) adjacent the pipe and at least one set of a corresponding plurality of threaded bores (20) disposed through the body, each threaded bore of the at least one set of a corresponding plurality of threaded bores being in communication with a respective cavity;

a segment (40) disposed within each of the cavities in the body, the segment comprising a first portion (46) that contacts a surface (28) of the cavity and a cam surface (52) that engages and rotates against the outer surface of the pipe, the segment pivoting about the first portion to drive the cam surface deeper into the outer surface of the pipe as provide the mechanical or internal pressure loading applied to the pipe increases.

In regards to claims 10 and 13, Shumard et al disclose a threaded bolt (32) extending through each of the threaded bores, the threaded bolt displaces the segment so that the second portion initially engages the outer surface of the pipe, and wherein the segment pivots about the first portion while losing contact with the threaded bolt.

In regards to claim 11, Shumard et al disclose the segment transmitting the load from the pipe to the body while loading the segment primarily in compression.

In regards to claim 12, Shumard et al disclose a cam surface further comprising a surface texture for engaging the pipe surface.

In regards to claim 14, Shumard et al disclose the segment transmitting the load from the pipe to the body while loading the segment primarily in compression.

In regards to claims 19 and 20, Shumard et al disclose the first portion comprising a corner opposite the at least one edge, the corner contacting the surface of the cavity.

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

Claim 8 is rejected under 35 U.S.C. 103(a) as being unpatentable over Shumard et al in view of Pannell et al.

In regards to claim 8, Shumard et al disclose the claimed invention except for an elastomeric material positioned between each of the segments and their corresponding cavities, the elastomeric material disposing the segment in the cavity in an optimum position. Pannell et al teach an elastomeric material (170) positioned between each of the segments (210) and their corresponding cavities, the elastomeric material disposing the segment in the cavity in an optimum position, to graduate the effecting force of the sudden application of a sliding force (col. 4, lines 25-40). As Pannell et al relate to mechanical pipe joints utilizing pipe clamping systems, it would have been obvious to

one having ordinary skill in the art at the time the invention was made to provide an elastomeric material positioned between each of the segments and their corresponding cavities, the elastomeric material disposing the segment in the cavity in an optimum position, to graduate the effecting force of the sudden application of a sliding force, as taught by Pannell et al.

Response to Arguments

Applicant's arguments filed 2/10/2005 have been fully considered but they are not persuasive.

In response to applicant's argument that the references fail to show certain features of applicant's invention, it is noted that the features upon which applicant relies (i.e., the depth of penetration of the segment edge into the pipe surface, and ability to resist pipe pullout load, is directly proportional to the mechanical and/or internal pressure loading applied to the pipe being self-actuating) are not recited in the rejected claim(s). Although the claims are interpreted in light of the specification, limitations from the specification are not read into the claims. See *In re Van Geuns*, 988 F.2d 1181, 26 USPQ2d 1057 (Fed. Cir. 1993).

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Aaron M Dunwoody whose telephone number is 571-272-7080. The examiner can normally be reached on 7:30 am - 4:00 pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Daniel P Stodola can be reached on 571-272-7087. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).



Aaron M. Dunwoody
Primary Examiner
Art Unit 3679

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